

10/824,342

=> file caplus
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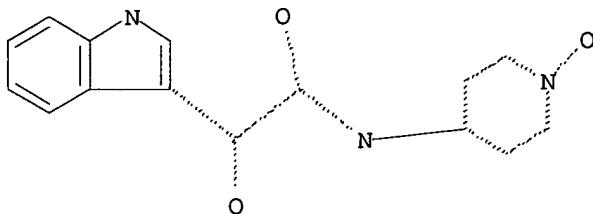
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FILE LAST UPDATED: 27 Feb 2006 (20060227/ED)

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=> d que
L5 STR



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L6 28 SEA FILE=REGISTRY SSS FUL L5
L7 3 SEA FILE=CAPLUS L6

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L7 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2004:927194 CAPLUS
DOCUMENT NUMBER: 141:395426
TITLE: Preparation of N-oxopyridinyl hydroxyindolylglyoxylamides as phosphodiesterase IV inhibitors.
INVENTOR(S): Hoefgen, Norbert; Kuss, Hildegard; Steinike, Karin;
Egerland, Ute; Rundfeldt, Chris; Pfeifer, Thomas
PATENT ASSIGNEE(S): Elbion A.-G., Germany
SOURCE: PCT Int. Appl., 41 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.

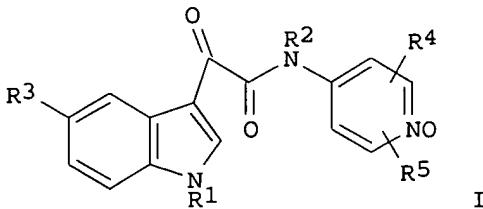
KIND DATE

APPLICATION NO.

DATE

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WO 2004094406	A1	20041104	WO 2004-EP4340	
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RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
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US 2004266760	A1	20041230	US 2004-824342	20040414
CA 2523062	AA	20041104	CA 2004-2523062	20040423
EP 1615911	A1	20060118	EP 2004-729060	20040423
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR				
PRIORITY APPLN. INFO.:			DE 2003-10318609	A 20030424
			WO 2004-EP4340	W 20040423

OTHER SOURCE(S) : MARPAT 141:395426
GI



AB Title compds. [I; R1 = (substituted) alkyl, alkenyl; R2 = H, alkyl; R3 = OH; R4, R5 = H, alkyl, OH, SH, NH2, NO2, cyano, SO3H, CO2H, alkoxycarbonyl, halo, alkoxy, alkylthio, (substituted) Ph, pyridyl, etc.], were prepared. Thus, N-(3,5-dichloropyridin-4-yl) [5-benzyloxy-1-(4-fluorobenzyl)indol-3-yl]glyoxylamide in CH₂Cl₂ was treated dropwise with m-chloroperbenzoic acid in HOAc followed by stirring for 7 days to give 16.1% pyridine N-oxide derivative, which was refluxed with BBr₃ in CH₂Cl₂ to give 72.8% N-(3,5-dichloro-1-oxopyridin-4-yl) [1-(4-fluorobenzyl)-5-hydroxyindol-3-yl]glyoxylamide. I inhibited phosphodiesterase 4 with IC₅₀'s in the range of 10-5 M to 10-10 M.

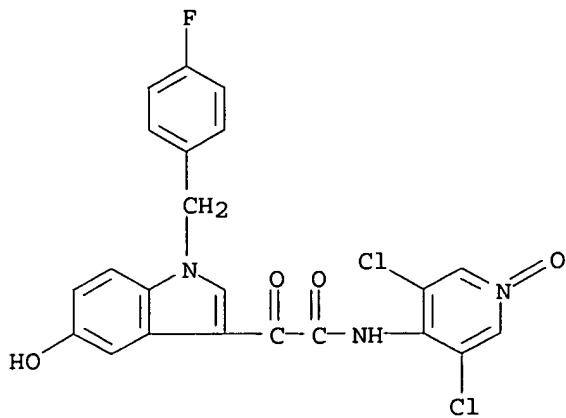
IT 786688-50-4P 786688-51-5P 786688-52-6P
786688-53-7P 786688-54-8P 786688-55-9P
786688-56-0P 786688-57-1P 786688-58-2P
786688-59-3P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(claimed compound; preparation of oxopyridinyl hydroxyindolylglyoxylamides

as phosphodiesterase IV inhibitors)

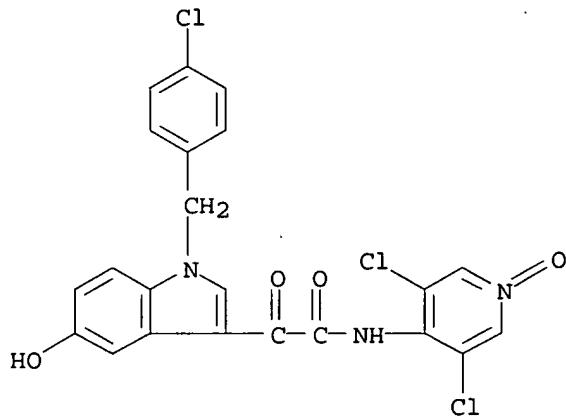
RN 786688-50-4 CAPLUS

CN 1H-Indole-3-acetamide, N-(3,5-dichloro-1-oxido-4-pyridinyl)-1-[(4-fluorophenyl)methyl]-5-hydroxy- α -oxo- (9CI) (CA INDEX NAME)



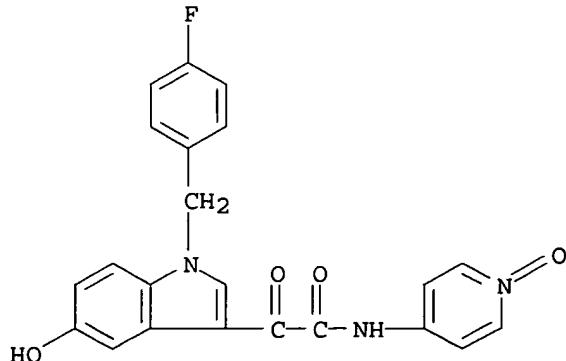
RN 786688-51-5 CAPLUS

CN 1H-Indole-3-acetamide, 1-[(4-chlorophenyl)methyl]-N-(3,5-dichloro-1-oxido-4-pyridinyl)-5-hydroxy-alpha-oxo- (9CI) (CA INDEX NAME)



RN 786688-52-6 CAPLUS

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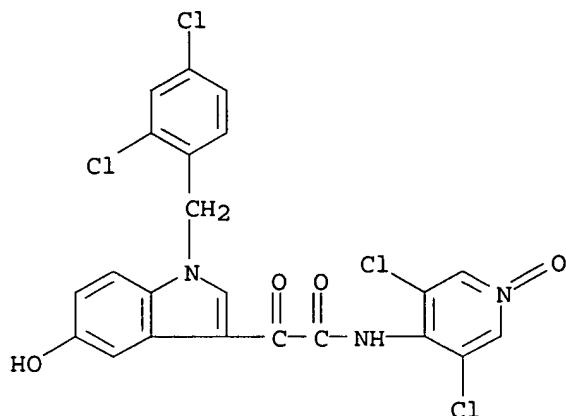


RN 786688-53-7 CAPLUS

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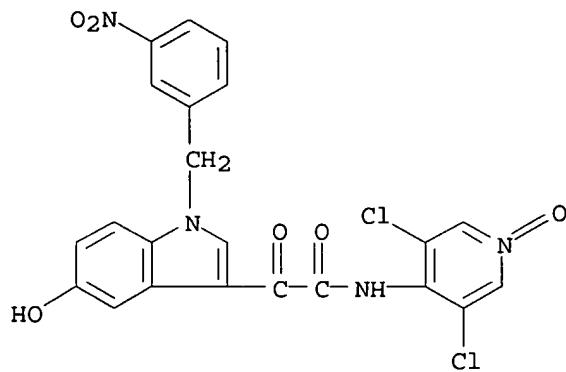
10/824,342

dichlorophenyl)methyl]-5-hydroxy- α -oxo- (9CI) (CA INDEX NAME)



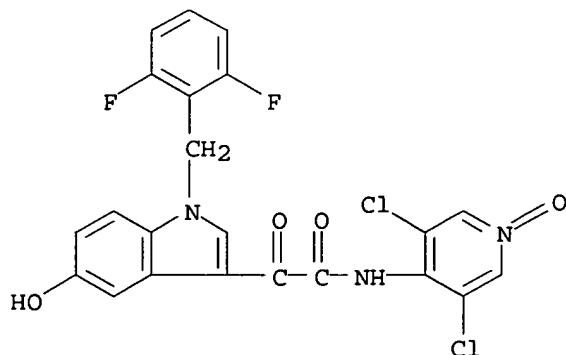
RN 786688-54-8 CAPLUS

CN 1H-Indole-3-acetamide, N-(3,5-dichloro-1-oxido-4-pyridinyl)-5-hydroxy-1-[(3-nitrophenyl)methyl]- α -oxo- (9CI) (CA INDEX NAME)



RN 786688-55-9 CAPLUS

CN 1H-Indole-3-acetamide, N-(3,5-dichloro-1-oxido-4-pyridinyl)-1-[(2,6-difluorophenyl)methyl]-5-hydroxy- α -oxo- (9CI) (CA INDEX NAME)

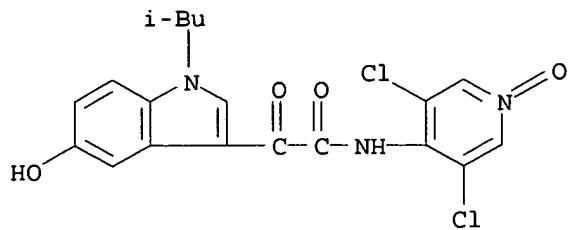


RN 786688-56-0 CAPLUS

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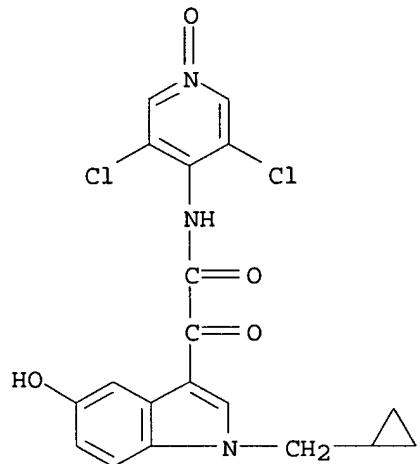
10/824,342

methylpropyl)- α -oxo- (9CI) (CA INDEX NAME)



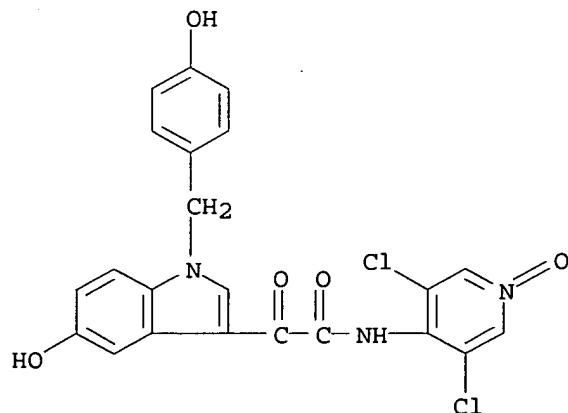
RN 786688-57-1 CAPLUS

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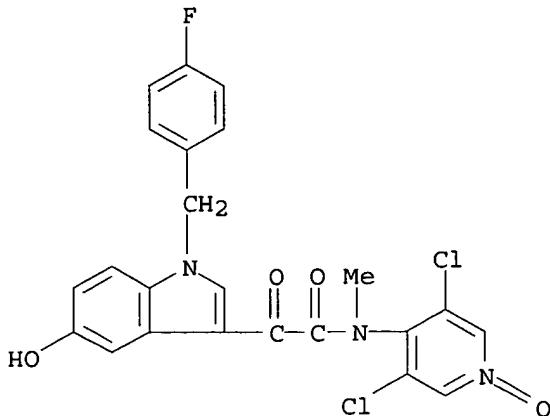
RN 786688-58-2 CAPLUS

CN 1H-Indole-3-acetamide, N-(3,5-dichloro-1-oxido-4-pyridinyl)-5-hydroxy-1-[(4-hydroxyphenyl)methyl]- α -oxo- (9CI) (CA INDEX NAME)



RN 786688-59-3 CAPLUS

CN 1H-Indole-3-acetamide, N-(3,5-dichloro-1-oxido-4-pyridinyl)-1-[(4-fluorophenyl)methyl]-5-hydroxy-N-methyl- α -oxo- (9CI) (CA INDEX NAME)

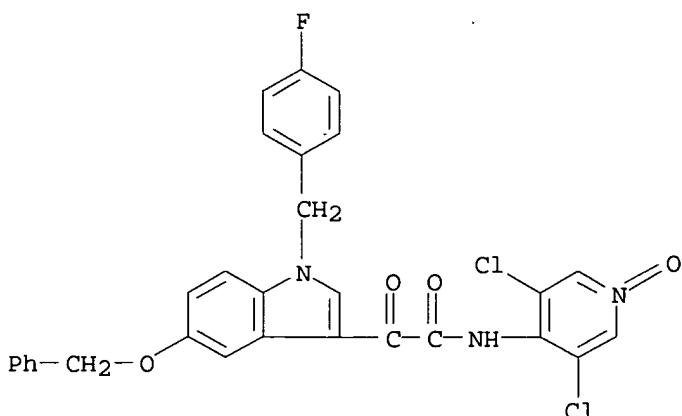


IT 786688-60-6P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation of oxopyridinyl hydroxyindolylglyoxylamides as phosphodiesterase IV inhibitors)

RN 786688-60-6 CAPLUS

CN 1H-Indole-3-acetamide, N-(3,5-dichloro-1-oxido-4-pyridinyl)-1-[(4-fluorophenyl)methyl]-α-oxo-5-(phenylmethoxy)- (9CI) (CA INDEX NAME)



REFERENCE COUNT:

4

THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2004:927193 CAPLUS

DOCUMENT NUMBER: 141:395425

TITLE: Preparation of hydroxyindolylglyoxylic acid oxopyridinylamides as phosphodiesterase IV inhibitors.

INVENTOR(S): Hoefgen, Norbert; Kuss, Hildegard; Steinike, Karin; Egerland, Ute; Rundfeldt, Chris

PATENT ASSIGNEE(S): Elbion A.-G., Germany

SOURCE: PCT Int. Appl., 43 pp.

CODEN: PIXXD2

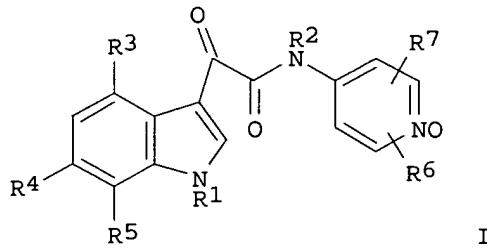
DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004094405	A1	20041104	WO 2004-EP4338	20040423
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
DE 10318611	A1	20041111	DE 2003-10318611	20030424
US 2004242643	A1	20041202	US 2004-825862	20040416
CA 2523048	AA	20041104	CA 2004-2523048	20040423
EP 1615912	A1	20060118	EP 2004-729109	20040423
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR				
PRIORITY APPLN. INFO.:			DE 2003-10318611	A 20030424
			WO 2004-EP4338	W 20040423
OTHER SOURCE(S): GI	MARPAT 141:395425			



AB Title compds. [I; R1 = (substituted) alkyl, alkenyl; R2 = H, alkyl; R3-R5 = H, OH; ≥1 or R3-R5 = OH; R6, R7 = H, alkyl, OH, SH, NH2, NO2, cyano, SO3H, CO2H, alkylcarbonyloxy, halo, alkylthio, (substituted) Ph, pyridyl, etc.], were prepared Thus, N-(3,5-dichloropyridin-4-yl){7-benzyloxy-1-(4-fluorobenzyl)indol-3-yl}glyoxylic acid amide was stirred 7 days with m-chloroperbenzoic acid in HOAc to give 16.9% pyridine N-oxide derivative, which was refluxed with BBr3 in CH2Cl2 to give 66.2% N-(3,5-dichloro-1-oxopyridin-4-yl){1-(4-fluorobenzyl)-7-hydroxyindol-3-yl}glyoxylic acid amide. I inhibited phosphodiesterase 4 with IC50's in the range of 10-10 M to 10-5 M.

IT 785787-52-2P 785787-53-3P 785787-54-4P
785787-55-5P 785787-56-6P 785787-57-7P
785787-58-8P 785787-59-9P 785787-60-2P
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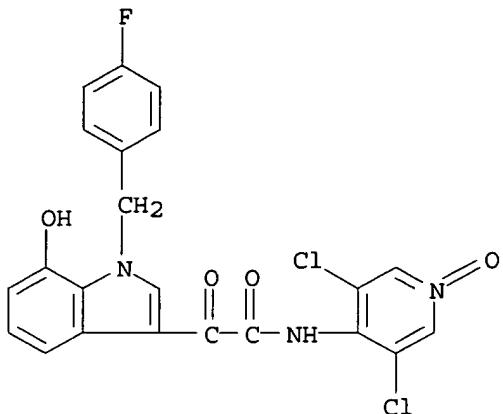
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(claimed compound; preparation of hydroxyindolylglyoxylic acid oxopyridinylamides as phosphodiesterase IV inhibitors)

10/824,342

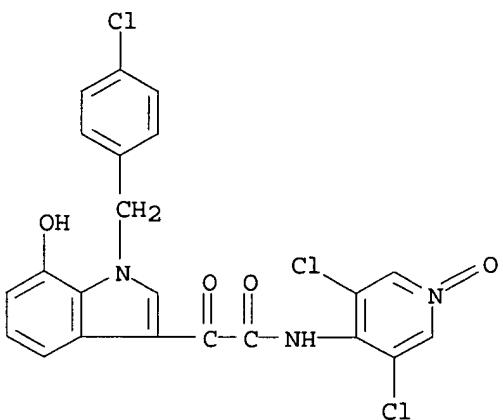
RN 785787-52-2 CAPLUS

CN 1H-Indole-3-acetamide, N-(3,5-dichloro-1-oxido-4-pyridinyl)-1-[(4-fluorophenyl)methyl]-7-hydroxy- α -oxo- (9CI) (CA INDEX NAME)



RN 785787-53-3 CAPLUS

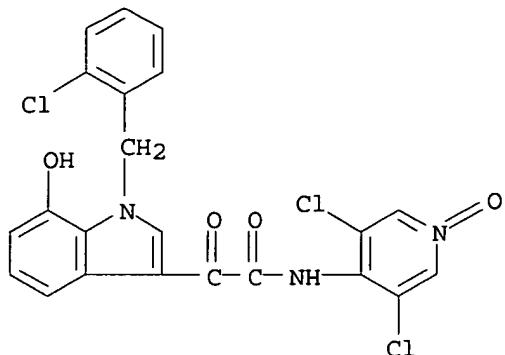
CN 1H-Indole-3-acetamide, 1-[(4-chlorophenyl)methyl]-N-(3,5-dichloro-1-oxido-4-pyridinyl)-7-hydroxy- α -oxo- (9CI) (CA INDEX NAME)



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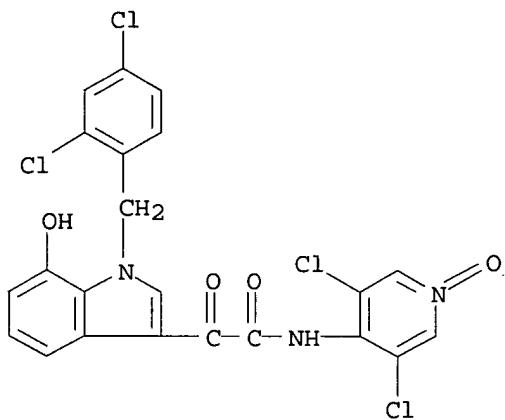
CN 1H-Indole-3-acetamide, 1-[(2-chlorophenyl)methyl]-N-(3,5-dichloro-1-oxido-4-pyridinyl)-7-hydroxy- α -oxo- (9CI) (CA INDEX NAME)

10/824,342



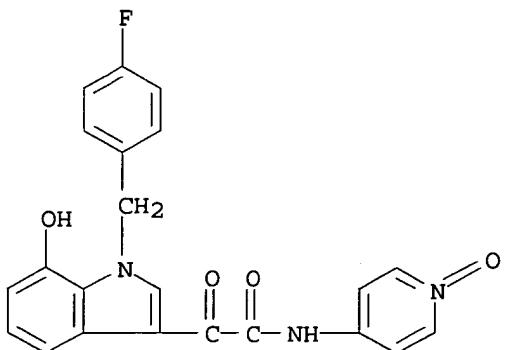
RN 785787-55-5 CAPLUS

CN 1H-Indole-3-acetamide, N-(3,5-dichloro-1-oxido-4-pyridinyl)-1-[(2,4-dichlorophenyl)methyl]-7-hydroxy-α-oxo- (9CI) (CA INDEX NAME)



RN 785787-56-6 CAPLUS

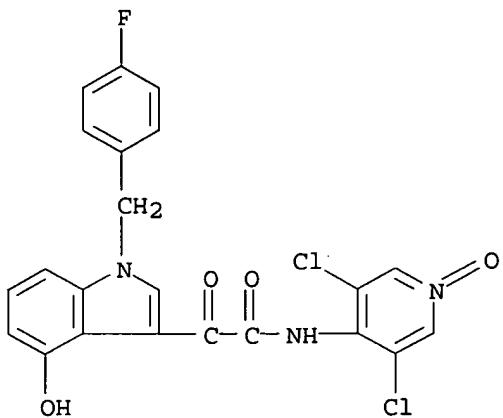
CN 1H-Indole-3-acetamide, 1-[(4-fluorophenyl)methyl]-7-hydroxy-N-(1-oxido-4-pyridinyl)-α-oxo- (9CI) (CA INDEX NAME)



RN 785787-57-7 CAPLUS

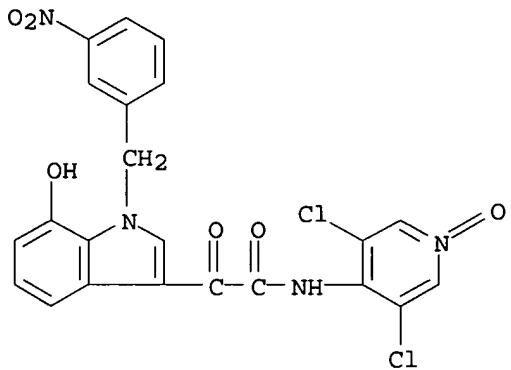
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10/824,342



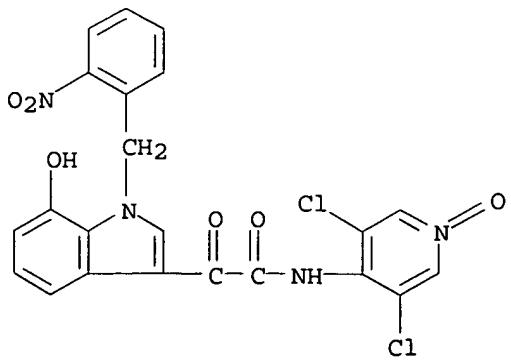
RN 785787-58-8 CAPLUS

CN 1H-Indole-3-acetamide, N-(3,5-dichloro-1-oxido-4-pyridinyl)-7-hydroxy-1-[(3-nitrophenyl)methyl]-α-oxo- (9CI) (CA INDEX NAME)



RN 785787-59-9 CAPLUS

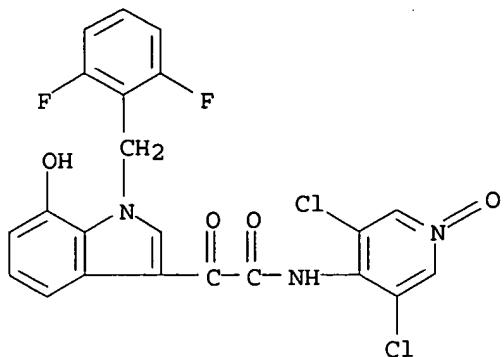
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RN 785787-60-2 CAPLUS

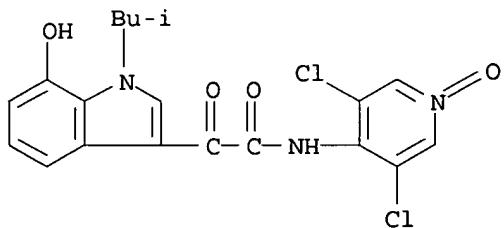
CN 1H-Indole-3-acetamide, N-(3,5-dichloro-1-oxido-4-pyridinyl)-1-[(2,6-difluorophenyl)methyl]-7-hydroxy-α-oxo- (9CI) (CA INDEX NAME)

10/824,342



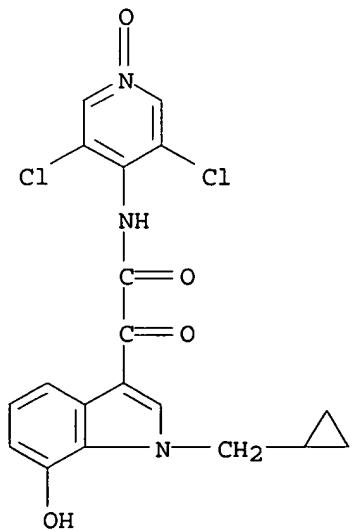
RN 785787-61-3 CAPLUS

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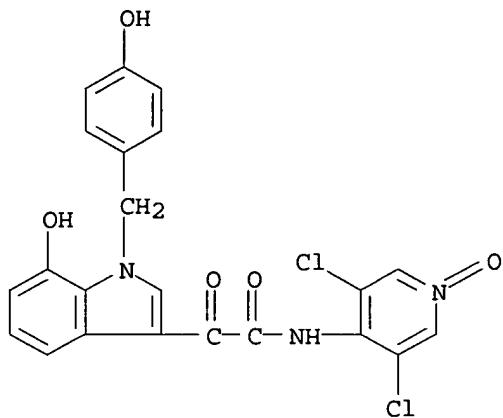
RN 785787-62-4 CAPLUS

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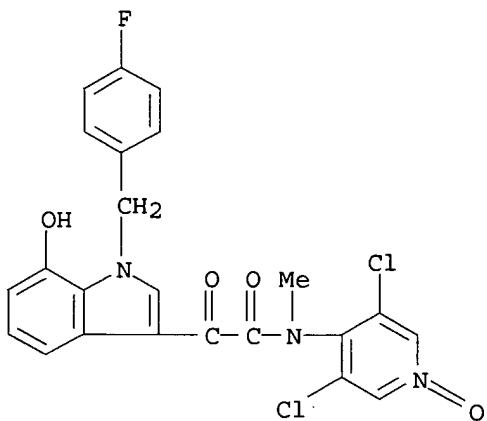
RN 785787-63-5 CAPLUS

CN 1H-Indole-3-acetamide, N-(3,5-dichloro-1-oxido-4-pyridinyl)-7-hydroxy-1-[(4-hydroxyphenyl)methyl]-α-oxo- (9CI) (CA INDEX NAME)



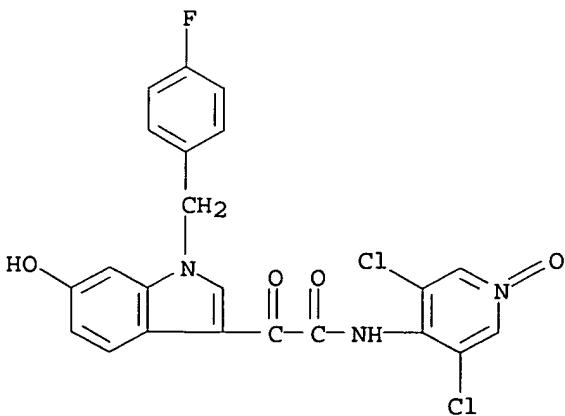
RN 785787-64-6 CAPLUS

CN 1H-Indole-3-acetamide, N-(3,5-dichloro-1-oxido-4-pyridinyl)-1-[(4-fluorophenyl)methyl]-7-hydroxy-N-methyl-alpha-oxo- (9CI) (CA INDEX NAME)



RN 785787-65-7 CAPLUS

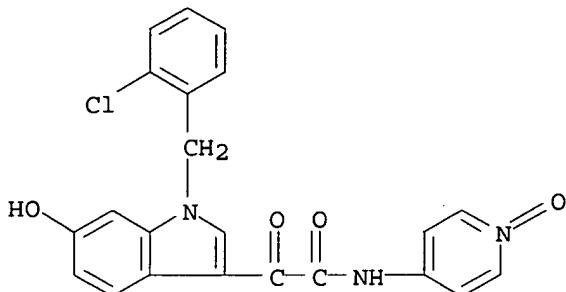
CN 1H-Indole-3-acetamide, N-(3,5-dichloro-1-oxido-4-pyridinyl)-1-[(4-fluorophenyl)methyl]-6-hydroxy-alpha-oxo- (9CI). (CA INDEX NAME)



10/824,342

RN 785787-66-8 CAPLUS

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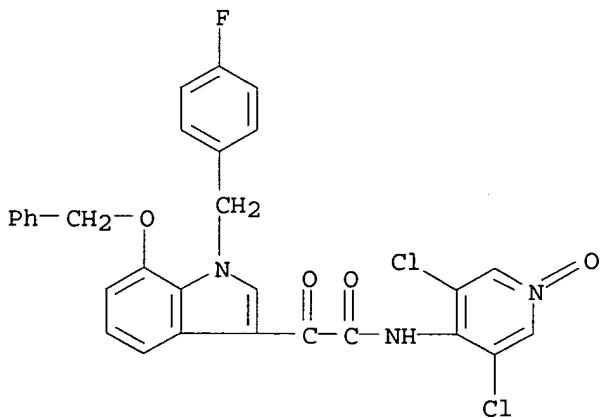
IT 785787-67-9P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of hydroxyindolylglyoxylic acid oxopyridinylamides as phosphodiesterase IV inhibitors)

RN 785787-67-9 CAPLUS

CN 1H-Indole-3-acetamide, N-(3,5-dichloro-1-oxido-4-pyridinyl)-1-[(4-fluorophenyl)methyl]- α -oxo-7-(phenylmethoxy)- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1999:659229 CAPLUS

DOCUMENT NUMBER: 131:271807

TITLE: Preparation of indolylglyoxylamides as antitumor agents

INVENTOR(S): Nickel, Bernd; Szelenyi, Istvan; Schmidt, Jurgen; Emig, Peter; Reichert, Dietmar; Gunther, Eckhard; Brune, Kay

PATENT ASSIGNEE(S): Asta Medica A.-G., Germany

SOURCE: PCT Int. Appl., 47 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

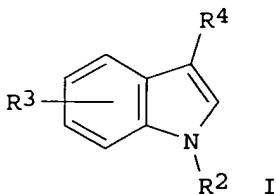
LANGUAGE: German

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9951224	A1	19991014	WO 1999-EP1918	19990322
W: AU, BG, BR, BY, CA, CN, CZ, EE, GE, HR, HU, ID, IL, IN, IS, JP, KG, KR, KZ, LT, LV, MK, MX, NO, NZ, PL, RO, RU, SG, SI, SK, TR, UA, UZ, YU, ZA, AM, AZ, MD, TJ, TM				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
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DE 19814838	C2	20010118		
CA 2326833	AA	19991014	CA 1999-2326833	19990322
AU 9929349	A1	19991025	AU 1999-29349	19990322
AU 768510	B2	20031218		
BR 9909902	A	20001226	BR 1999-9902	19990322
EP 1071420	A1	20010131	EP 1999-910372	19990322
EP 1071420	B1	20050914		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
TR 200002853	T2	20010221	TR 2000-200002853	19990322
EE 200000581	A	20020215	EE 2000-581	19990322
EE 4354	B1	20041015		
JP 2002510622	T2	20020409	JP 2000-541995	19990322
NZ 507084	A	20031031	NZ 1999-507084	19990322
AT 304352	E	20050915	AT 1999-910372	19990322
RU 2262339	C2	20051020	RU 2000-128035	19990322
US 6232327	B1	20010515	US 1999-285058	19990402
US 2003114511	A1	20030619	US 2000-492531	20000127
US 6693119	B2	20040217		
NO 2000004916	A	20001201	NO 2000-4916	20000929
HR 2000000643	A1	20010430	HR 2000-643	20001002
BG 104849	A	20010531	BG 2000-104849	20001012
ZA 2000006150	A	20010111	ZA 2000-6150	20001031
US 2003023093	A1	20030130	US 2001-810604	20010319
HK 1036408	A1	20050218	HK 2001-107405	20011024
US 2003195360	A1	20031016	US 2002-309204	20021204
US 2004171668	A1	20040902	US 2003-686809	20031017
PRIORITY APPLN. INFO.:			DE 1998-19814838	A 19980402
			WO 1999-EP1918	W 19990322
			US 1999-285058	A1 19990402
			DE 1999-19946301	A 19990928
			US 2000-492531	A1 20000127
			US 2001-810604	A1 20010319

OTHER SOURCE(S): MARPAT 131:271807
GI



AB Title compds. [I; R₂ = H or (un)substituted alkyl; R₃ = H or 1 or 2 of halo, alkyl, alkoxy, etc.; R₄ = C(:X)C(:X)NR₁; R = H, (un)substituted alkyl, CO₂CH₂Ph, etc.; R₁ = (un)substituted Ph, -pyridyl, -pyrimidyl, etc.; RR₁ = (CH₂CH₂)₂NR₇; R₇ = alkyl, Ph, CHPh₂, etc.; X = O or S] were

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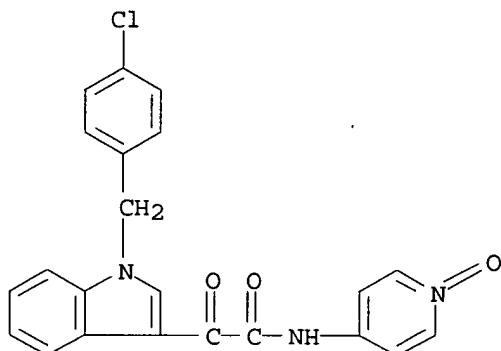
prepared. Thus, indole was N-alkylated by 4-FC₆H₄CH₂Cl and the product acylated by (COCl)₂ to give, after 4-aminopyridine amidation, I (R₂ = CH₂C₆H₄F-4, R₃ = H, R₄ = COCONHR₁, R₁ = 4-pyridyl). Data for biol. activity of I were given.

IT 245661-30-7P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of indolylglyoxylamides as antitumor agents)

RN 245661-30-7 CAPLUS

CN 1H-Indole-3-acetamide, 1-[(4-chlorophenyl)methyl]-N-(1-oxido-4-pyridinyl)- α -oxo- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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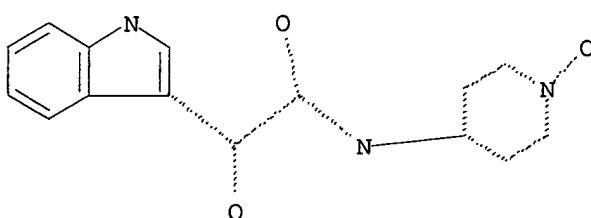
CA INDEXING COPYRIGHT (C) 2006 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPAT2' ENTERED AT 11:43:51 ON 28 FEB 2006

CA INDEXING COPYRIGHT (C) 2006 AMERICAN CHEMICAL SOCIETY (ACS)

=> d que

L5 STR



Structure attributes must be viewed using STN Express query preparation.

L6 28 SEA FILE=REGISTRY SSS FUL L5

L8 8 SEA L6

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L8 ANSWER 1 OF 8 USPATFULL on STN

ACCESSION NUMBER: 2004:335666 USPATFULL

TITLE: 5-hydroxyindoles with N-oxide groups and the use

10/824,342

thereof as therapeutic agents
INVENTOR(S) : Hofgen, Norbert, Ottendorf-Okilla, GERMANY, FEDERAL
REPUBLIC OF
Kuss, Hildegard, Dresden, GERMANY, FEDERAL REPUBLIC OF
Steinike, Karin, Radebeul, GERMANY, FEDERAL REPUBLIC OF
Egerland, Ute, Radebeul, GERMANY, FEDERAL REPUBLIC OF
Rundfeldt, Chris, Coswig, GERMANY, FEDERAL REPUBLIC OF
Pfeifer, Thomas, Radebeul, GERMANY, FEDERAL REPUBLIC OF

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004266760	A1	20041230
APPLICATION INFO.:	US 2004-824342	A1	20040414 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	DE 2003-DE10318609	20030424
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	FULBRIGHT & JAWORSKI, LLP, 666 FIFTH AVE, NEW YORK, NY, 10103-3198	
NUMBER OF CLAIMS:	19	
EXEMPLARY CLAIM:	1	
LINE COUNT:	850	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention relates to substituted 5-hydroxyindoles with N-oxide groups, processes for their preparation, pharmaceutical preparations which comprise these compounds, and the pharmaceutical use of these compounds, which are inhibitors of phosphodiesterase 4, as active ingredients for the treatment of disorders which can be influenced by inhibition of phosphodiesterase 4 activity in particular in immunocompetent cells (e.g. macrophages and lymphocytes) by the compounds of the invention.

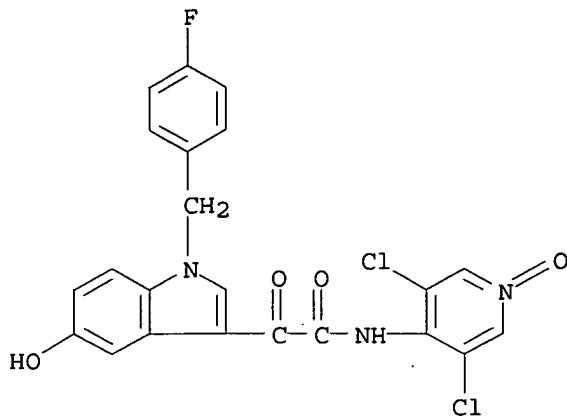
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 786688-50-4P 786688-51-5P 786688-52-6P
786688-53-7P 786688-54-8P 786688-55-9P
786688-56-0P 786688-57-1P 786688-58-2P
786688-59-3P

as (claimed compound; preparation of oxopyridinyl hydroxyindolylglyoxylamides
phosphodiesterase IV inhibitors)

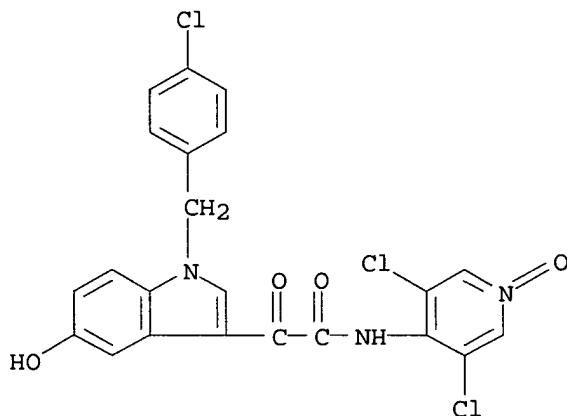
RN 786688-50-4 USPATFULL

CN 1H-Indole-3-acetamide, N-(3,5-dichloro-1-oxido-4-pyridinyl)-1-[(4-fluorophenyl)methyl]-5-hydroxy- α -oxo- (9CI) (CA INDEX NAME)



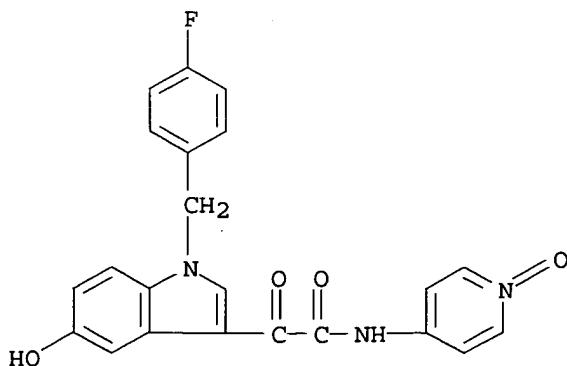
RN 786688-51-5 USPATFULL

CN 1H-Indole-3-acetamide, 1-[(4-chlorophenyl)methyl]-N-(3,5-dichloro-1-oxido-4-pyridinyl)-5-hydroxy-alpha-oxo- (9CI) (CA INDEX NAME)



RN 786688-52-6 USPATFULL

CN 1H-Indole-3-acetamide, 1-[(4-fluorophenyl)methyl]-5-hydroxy-N-(1-oxido-4-pyridinyl)-alpha-oxo- (9CI) (CA INDEX NAME)

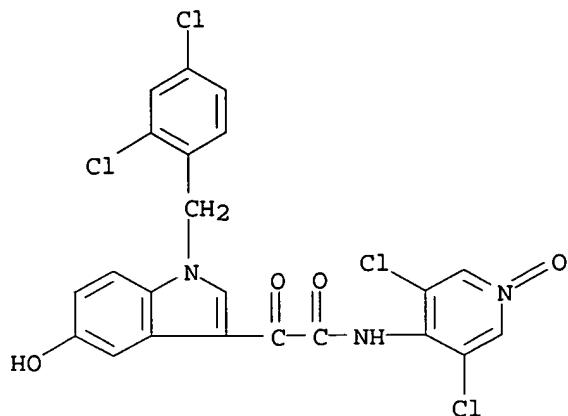


RN 786688-53-7 USPATFULL

CN 1H-Indole-3-acetamide, N-(3,5-dichloro-1-oxido-4-pyridinyl)-1-[(2,4-

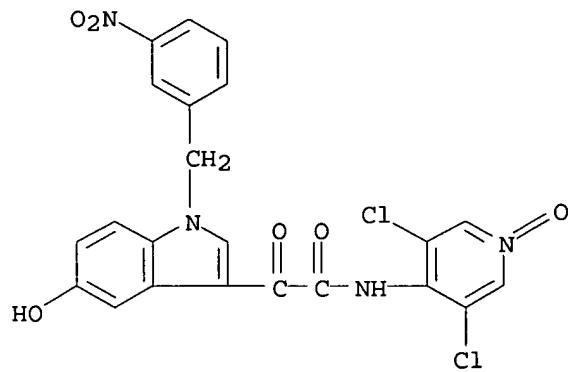
10/824,342

dichlorophenyl)methyl]-5-hydroxy- α -oxo- (9CI) (CA INDEX NAME)



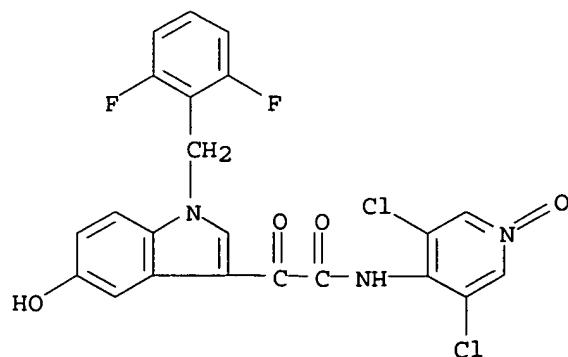
RN 786688-54-8 USPATFULL

CN 1H-Indole-3-acetamide, N-(3,5-dichloro-1-oxido-4-pyridinyl)-5-hydroxy-1-[(3-nitrophenyl)methyl]- α -oxo- (9CI) (CA INDEX NAME)



RN 786688-55-9 USPATFULL

CN 1H-Indole-3-acetamide, N-(3,5-dichloro-1-oxido-4-pyridinyl)-1-[(2,6-difluorophenyl)methyl]-5-hydroxy- α -oxo- (9CI) (CA INDEX NAME)

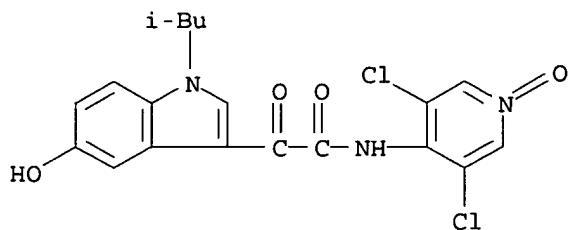


RN 786688-56-0 USPATFULL

CN 1H-Indole-3-acetamide, N-(3,5-dichloro-1-oxido-4-pyridinyl)-5-hydroxy-1-(2-

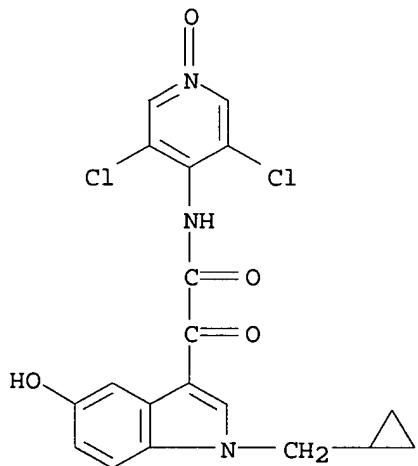
10/824,342

methylpropyl)- α -oxo- (9CI) (CA INDEX NAME)



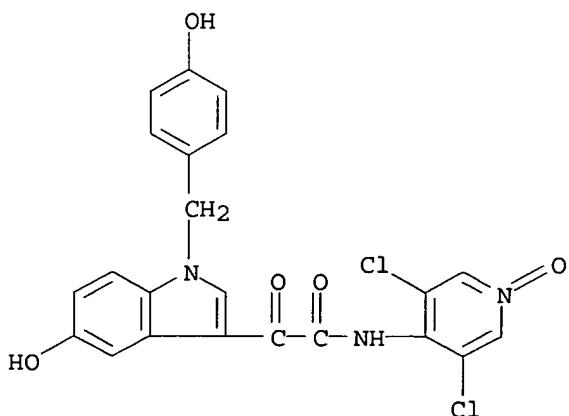
RN 786688-57-1 USPATFULL

CN 1H-Indole-3-acetamide, 1-(cyclopropylmethyl)-N-(3,5-dichloro-1-oxido-4-pyridinyl)-5-hydroxy- α -oxo- (9CI) (CA INDEX NAME)



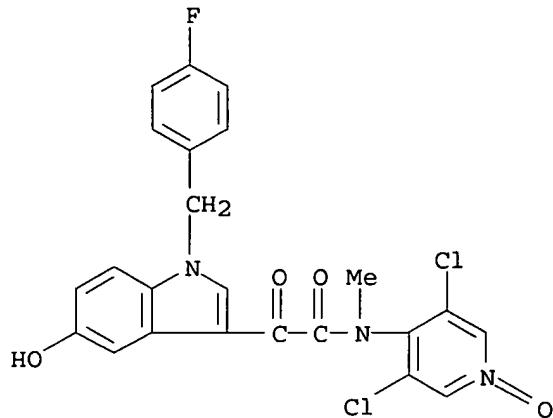
RN 786688-58-2 USPATFULL

CN 1H-Indole-3-acetamide, N-(3,5-dichloro-1-oxido-4-pyridinyl)-5-hydroxy-1-[(4-hydroxyphenyl)methyl]- α -oxo- (9CI) (CA INDEX NAME)



RN 786688-59-3 USPATFULL

CN 1H-Indole-3-acetamide, N-(3,5-dichloro-1-oxido-4-pyridinyl)-1-[(4-fluorophenyl)methyl]-5-hydroxy-N-methyl- α -oxo- (9CI) (CA INDEX NAME)

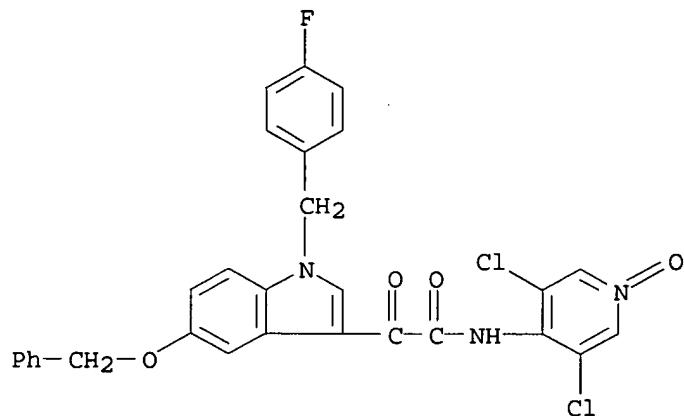


IT 786688-60-6P

(preparation of oxopyridinyl hydroxyindolylglyoxylamides as phosphodiesterase IV inhibitors)

RN 786688-60-6 USPATFULL

CN 1H-Indole-3-acetamide, N-(3,5-dichloro-1-oxido-4-pyridinyl)-1-[(4-fluorophenyl)methyl]-alpha-oxo-5-(phenylmethoxy)- (9CI) (CA INDEX NAME)



L8 ANSWER 2 OF 8 USPATFULL on STN

ACCESSION NUMBER: 2004:307967 USPATFULL

TITLE: 4-,6- or 7-hydroxyindoles with N-oxide groups and the use thereof as therapeutic agents

INVENTOR(S): Hofgen, Norbert, Ottendorf-Okrilla, GERMANY, FEDERAL REPUBLIC OF

Kuss, Hildegard, Dresden, GERMANY, FEDERAL REPUBLIC OF
Steinike, Karin, Radebeul, GERMANY, FEDERAL REPUBLIC OF
Egerland, Ute, Radebeul, GERMANY, FEDERAL REPUBLIC OF
Rundfeldt, Chris, Coswig, GERMANY, FEDERAL REPUBLIC OF

NUMBER KIND DATE

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PATENT INFORMATION: US 2004242643 A1 20041202

APPLICATION INFO.: US 2004-825862 A1 20040416 (10)

NUMBER	DATE
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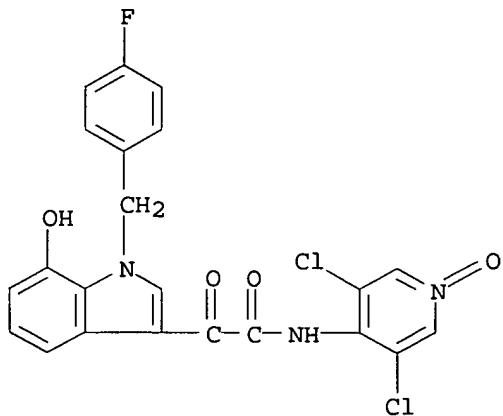
PRIORITY INFORMATION: DE 2003-10318611 20030424
 DOCUMENT TYPE: Utility
 FILE SEGMENT: APPLICATION
 LEGAL REPRESENTATIVE: FULBRIGHT & JAWORSKI, LLP, 666 FIFTH AVE, NEW YORK, NY,
 10103-3198
 NUMBER OF CLAIMS: 17
 EXEMPLARY CLAIM: 1
 LINE COUNT: 870

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention relates to substituted 4-, 6- or 7-hydroxyindoles with N-oxide groups, process for their preparation, pharmaceutical preparations which comprise these compounds, and the pharmaceutical use of these compounds, which are inhibitors of phosphodiesterase 4, as active ingredients for the treatment of disorders which can be influenced by inhibition of phosphodiesterase 4 activity in particular in immunocompetent cells (e.g. macrophages and lymphocytes) by the compounds of the invention.

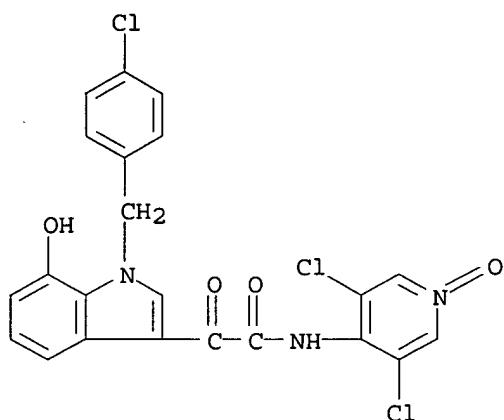
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 785787-52-2P 785787-53-3P 785787-54-4P
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 785787-58-8P 785787-59-9P 785787-60-2P
 785787-61-3P 785787-62-4P 785787-63-5P
 785787-64-6P 785787-65-7P 785787-66-8P
 (claimed compound; preparation of hydroxyindolylglyoxylic acid
 oxopyridinylamides as phosphodiesterase IV inhibitors)
 RN 785787-52-2 USPATFULL
 CN 1H-Indole-3-acetamide, N-(3,5-dichloro-1-oxido-4-pyridinyl)-1-[(4-
 fluorophenyl)methyl]-7-hydroxy- α -oxo- (9CI) (CA INDEX NAME)



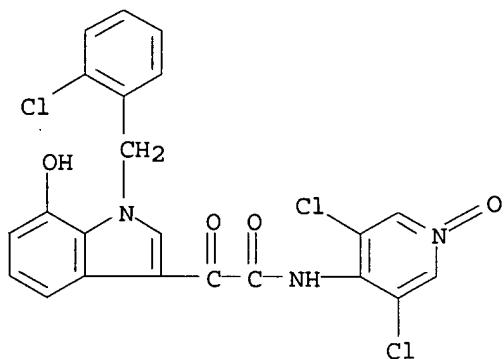
RN 785787-53-3 USPATFULL
 CN 1H-Indole-3-acetamide, 1-[(4-chlorophenyl)methyl]-N-(3,5-dichloro-1-oxido-
 4-pyridinyl)-7-hydroxy- α -oxo- (9CI) (CA INDEX NAME)

10/824,342



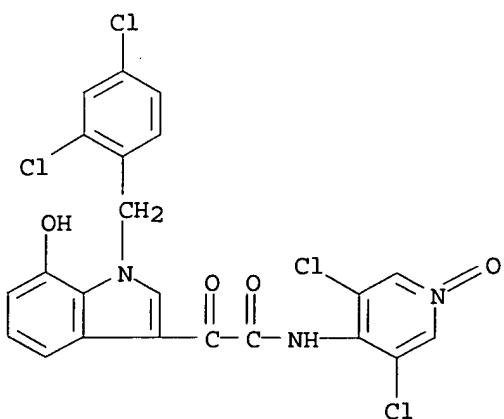
RN 785787-54-4 USPATFULL

CN 1H-Indole-3-acetamide, 1-[(2-chlorophenyl)methyl]-N-(3,5-dichloro-1-oxido-4-pyridinyl)-7-hydroxy-alpha-oxo- (9CI) (CA INDEX NAME)



RN 785787-55-5 USPATFULL

CN 1H-Indole-3-acetamide, N-(3,5-dichloro-1-oxido-4-pyridinyl)-1-[(2,4-dichlorophenyl)methyl]-7-hydroxy-alpha-oxo- (9CI) (CA INDEX NAME)

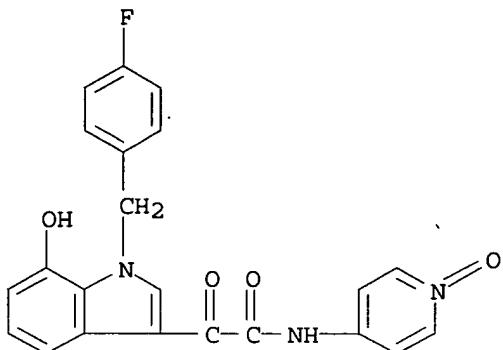


RN 785787-56-6 USPATFULL

CN 1H-Indole-3-acetamide, 1-[(4-fluorophenyl)methyl]-7-hydroxy-N-(1-oxido-4-

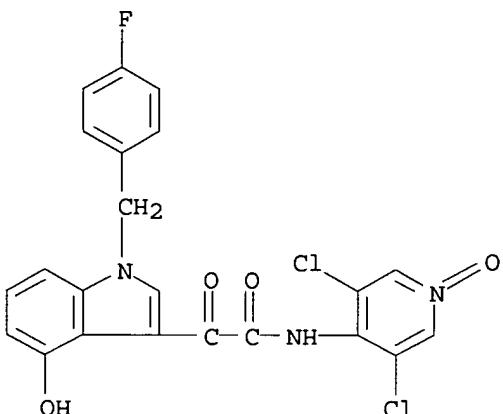
10/824,342

pyridinyl)- α -oxo- (9CI) (CA INDEX NAME)



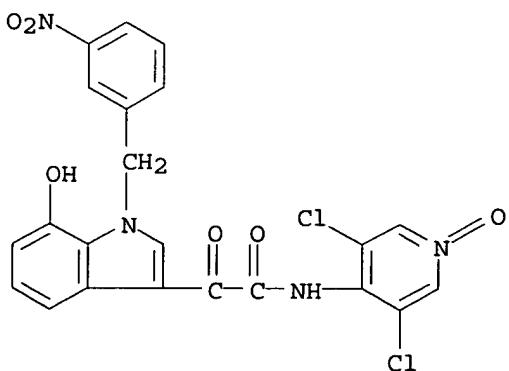
RN 785787-57-7 USPATFULL

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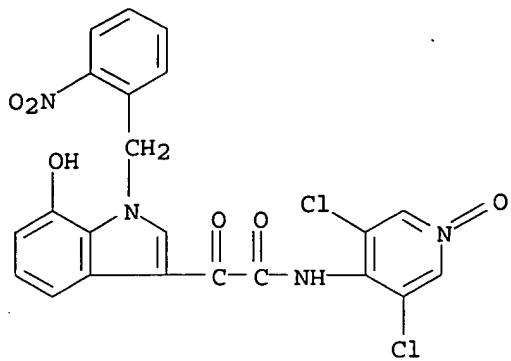
RN 785787-58-8 USPATFULL

CN 1H-Indole-3-acetamide, N-(3,5-dichloro-1-oxido-4-pyridinyl)-7-hydroxy-1-[(3-nitrophenyl)methyl]- α -oxo- (9CI) (CA INDEX NAME)



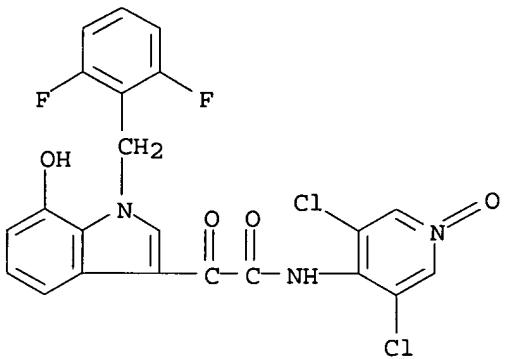
RN 785787-59-9 USPATFULL

CN 1H-Indole-3-acetamide, N-(3,5-dichloro-1-oxido-4-pyridinyl)-7-hydroxy-1-[(2-nitrophenyl)methyl]- α -oxo- (9CI) (CA INDEX NAME)



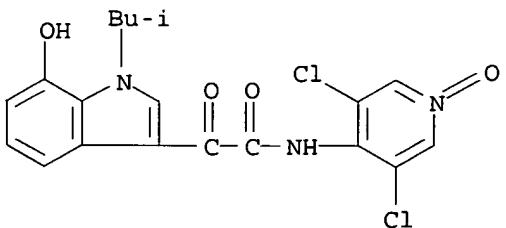
RN 785787-60-2 USPATFULL

CN 1H-Indole-3-acetamide, N-(3,5-dichloro-1-oxido-4-pyridinyl)-1-[(2,6-difluorophenyl)methyl]-7-hydroxy-α-oxo- (9CI) (CA INDEX NAME)



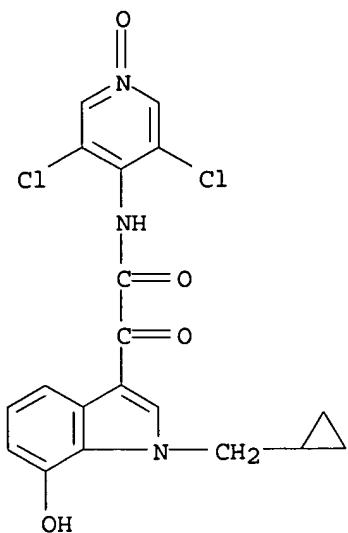
RN 785787-61-3 USPATFULL

CN 1H-Indole-3-acetamide, N-(3,5-dichloro-1-oxido-4-pyridinyl)-7-hydroxy-1-(2-methylpropyl)-α-oxo- (9CI) (CA INDEX NAME)



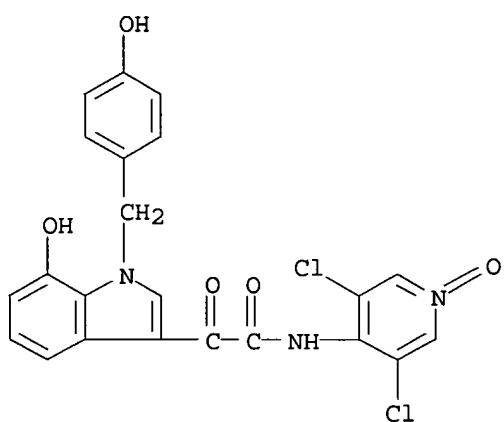
RN 785787-62-4 USPATFULL

CN 1H-Indole-3-acetamide, 1-(cyclopropylmethyl)-N-(3,5-dichloro-1-oxido-4-pyridinyl)-7-hydroxy-α-oxo- (9CI) (CA INDEX NAME)



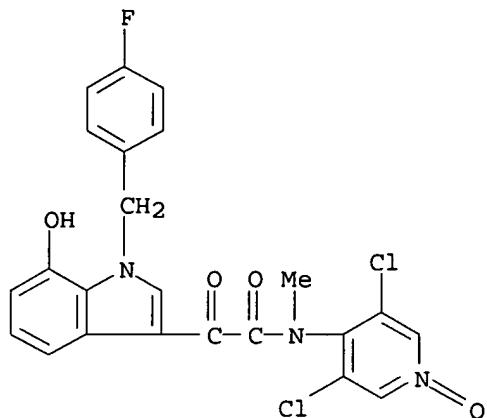
RN 785787-63-5 USPATFULL

CN 1H-Indole-3-acetamide, N-(3,5-dichloro-1-oxido-4-pyridinyl)-7-hydroxy-1-[(4-hydroxyphenyl)methyl]- α -oxo- (9CI) (CA INDEX NAME)



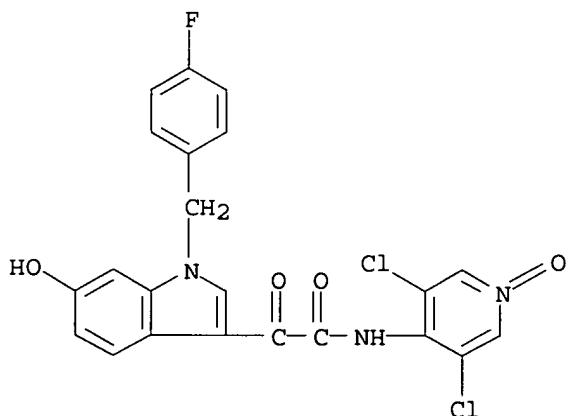
RN 785787-64-6 USPATFULL

CN 1H-Indole-3-acetamide, N-(3,5-dichloro-1-oxido-4-pyridinyl)-1-[(4-fluorophenyl)methyl]-7-hydroxy-N-methyl-α-oxo- (9CI) (CA INDEX NAME)



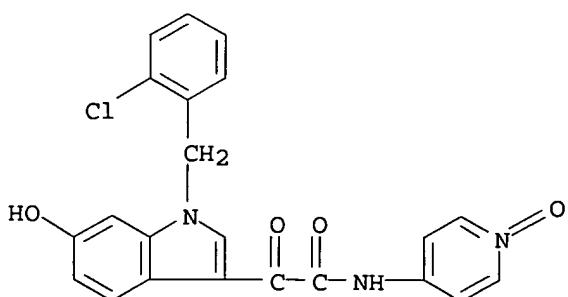
RN 785787-65-7 USPATFULL

CN 1H-Indole-3-acetamide, N-(3,5-dichloro-1-oxido-4-pyridinyl)-1-[(4-fluorophenyl)methyl]-6-hydroxy-alpha-oxo- (9CI) (CA INDEX NAME)



RN 785787-66-8 USPATFULL

CN 1H-Indole-3-acetamide, 1-[(2-chlorophenyl)methyl]-6-hydroxy-N-(1-oxido-4-pyridinyl)-alpha-oxo- (9CI) (CA INDEX NAME)



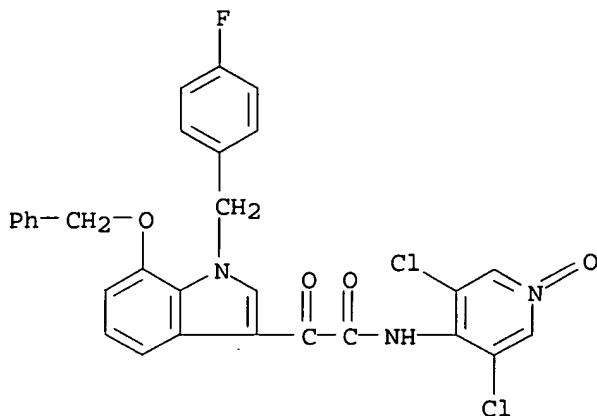
IT 785787-67-9P

(preparation of hydroxyindolylglyoxylic acid oxypyridinylamides as phosphodiesterase IV inhibitors)

RN 785787-67-9 USPATFULL

CN 1H-Indole-3-acetamide, N-(3,5-dichloro-1-oxido-4-pyridinyl)-1-[(4-

fluorophenyl)methyl]- α -oxo-7-(phenylmethoxy)- (9CI) (CA INDEX
NAME)



L8 ANSWER 3 OF 8 USPATFULL on STN

ACCESSION NUMBER: 2004:221896 USPATFULL

TITLE: Indolyl-3-glyoxylic acid derivatives having
therapeutically valuable properties

INVENTOR(S): Nickel, Bernd, Muhlthal, GERMANY, FEDERAL REPUBLIC OF
Bacher, Gerald, Heidelberg, GERMANY, FEDERAL REPUBLIC
OF
Klenner, Thomas, Ingelheim, GERMANY, FEDERAL REPUBLIC
OF
Beckers, Thomas, Frankfurt, GERMANY, FEDERAL REPUBLIC
OF
Emig, Peter, Bruchkobel, GERMANY, FEDERAL REPUBLIC OF
Engel, Jurgen, Alzenau, GERMANY, FEDERAL REPUBLIC OF
Bruyneel, Erik, Harelbeke, BELGIUM
Kamp, Gunter, Munster, GERMANY, FEDERAL REPUBLIC OF
Peters, Kirsten, Munster, GERMANY, FEDERAL REPUBLIC OF
Baxter Healthcare SA, Wallisellen, SWITZERLAND
(non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004171668	A1	20040902
APPLICATION INFO.:	US 2003-686809	A1	20031017 (10)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 2000-492531, filed on 27 Jan 2000, GRANTED, Pat. No. US 6693119		
	Continuation-in-part of Ser. No. US 1999-285058, filed on 2 Apr 1999, GRANTED, Pat. No. US 6232327		

	NUMBER	DATE
PRIORITY INFORMATION:	DE 1999-19946301	19990828
	DE 1998-19814838	19980402
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	PILLSBURY WINTHROP, LLP, P.O. BOX 10500, MCLEAN, VA, 22102	
NUMBER OF CLAIMS:	13	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	9 Drawing Page(s)	
LINE COUNT:	570	

10/824,342

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention relates to the use of N-substituted indole-3-glyoxylamides of the general Formula I: ##STR1##

and to pharmaceutical compositions having antitumor action.

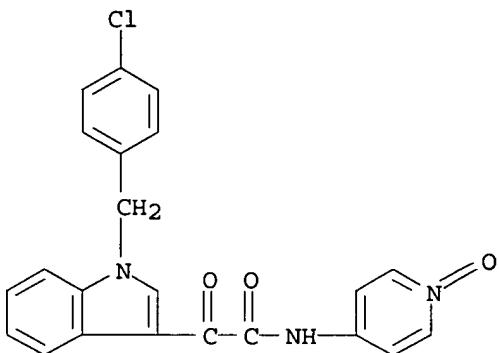
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 245661-30-7P

(preparation of indolylglyoxylamides as antitumor agents)

RN 245661-30-7 USPATFULL

CN 1H-Indole-3-acetamide, 1-[(4-chlorophenyl)methyl]-N-(1-oxido-4-pyridinyl)- α -oxo- (9CI) (CA INDEX NAME)



L8 ANSWER 4 OF 8 USPATFULL on STN

ACCESSION NUMBER: 2003:277333 USPATFULL

TITLE: Indolyl-3-glyoxylic acid derivatives having antitumor action

INVENTOR(S): Nickel, Bernd, Muhlthal, GERMANY, FEDERAL REPUBLIC OF
Szelenyi, Istvan, Schwaig, GERMANY, FEDERAL REPUBLIC OF
Schmidt, Jurgen, Uhldingen Muhlhofen, GERMANY, FEDERAL
REPUBLIC OF
Emig, Peter, Bruchkobel, GERMANY, FEDERAL REPUBLIC OF
Reichert, Dietmar, Eschau, GERMANY, FEDERAL REPUBLIC OF
Gunther, Eckhard, Maintal, GERMANY, FEDERAL REPUBLIC OF
Brune, Kay, Marloffstein, GERMANY, FEDERAL REPUBLIC OF
Le Baut, Guillaume, Saint Sebastian/Loire, GERMANY,
FEDERAL REPUBLIC OF

PATENT ASSIGNEE(S): ASTA Medica Aktiengesellschaft (non-U.S. corporation)

NUMBER KIND DATE

PATENT INFORMATION: US 2003195360 A1 20031016

APPLICATION INFO.: US 2002-309204 A1 20021204 (10)

RELATED APPLN. INFO.: Continuation of Ser. No. US 2001-810604, filed on 19
Mar 2001, PENDING Continuation of Ser. No. US
1999-285058, filed on 2 Apr 1999, GRANTED, Pat. No. US
6232327

NUMBER DATE

PRIORITY INFORMATION: DE 1998-19814838 19980402

DOCUMENT TYPE: Utility

FILE SEGMENT: APPLICATION

LEGAL REPRESENTATIVE: PILLSBURY WINTHROP, LLP, P.O. BOX 10500, MCLEAN, VA,
22102

NUMBER OF CLAIMS: 10

10/824,342

EXEMPLARY CLAIM:

1

NUMBER OF DRAWINGS:

2 Drawing Page(s)

LINE COUNT:

1007

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention relates to the use of N-substituted indole-3-glyoxylamides of the general formula I as antitumor agents ##STR1##

and to a pharmaceutical composition having antitumor action, characterized in that it contains at least one of the compounds of the general formula 1, if appropriate also in the form of the physiologically tolerable acid addition salts or N-oxides. Furthermore, the invention also includes antitumor agents comprising as active compound one or more N-substituted indole-3-glyoxylamides according to the general formula 1 and, if appropriate, their physiologically tolerable acid addition salts and, if possible, N-oxides and a pharmaceutically utilizable carrier and/or diluent or auxiliary substance in the form of tablets, coated tablets, capsules, solutions for infusion or ampoules, suppositories, patches, powder preparations which can be employed by inhalation, suspensions, creams and ointments.

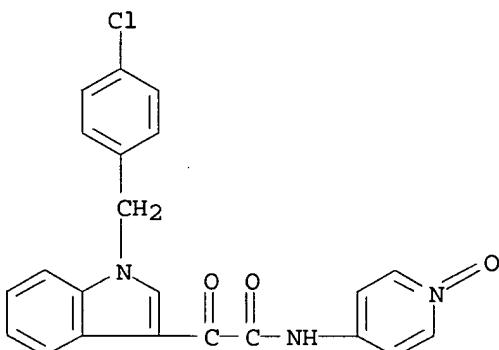
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 245661-30-7P

(preparation of indolylglyoxylamides as antitumor agents)

RN 245661-30-7 USPATFULL

CN 1H-Indole-3-acetamide, 1-[(4-chlorophenyl)methyl]-N-(1-oxido-4-pyridinyl)- α -oxo- (9CI) (CA INDEX NAME)



L8 ANSWER 5 OF 8 USPATFULL on STN

ACCESSION NUMBER:

2003:166653 USPATFULL

TITLE:

Indolyl-3-glyoxylic acid derivatives having therapeutically valuable properties

INVENTOR(S):

Nickel, Bernd, Muhlthal, GERMANY, FEDERAL REPUBLIC OF
Bacher, Gerald, Heidelberg, GERMANY, FEDERAL REPUBLIC OF

Klenner, Thomas, Ingelheim, GERMANY, FEDERAL REPUBLIC OF
Beckers, Thomas, Frankfurt, GERMANY, FEDERAL REPUBLIC OF

Emig, Peter, Bruchkobel, GERMANY, FEDERAL REPUBLIC OF
Engel, Jurgen, Alzenau, GERMANY, FEDERAL REPUBLIC OF
Bruyneel, Erik, Harelbeke, BELGIUM

Kamp, Gunter, Munster, GERMANY, FEDERAL REPUBLIC OF
Peters, Kirsten, Munster, GERMANY, FEDERAL REPUBLIC OF

NUMBER KIND DATE

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10/824,342

PATENT INFORMATION: US 2003114511 A1 20030619
US 6693119 B2 20040217
APPLICATION INFO.: US 2000-492531 A1 20000127 (9)

	NUMBER	DATE

PRIORITY INFORMATION:	DE 1998-19814838	19980402
	DE 1999-19946301	19990928
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	PILLSBURY WINTHROP, LLP, P.O. BOX 10500, MCLEAN, VA, 22102	
NUMBER OF CLAIMS:	13	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	9 Drawing Page(s)	
LINE COUNT:	576	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

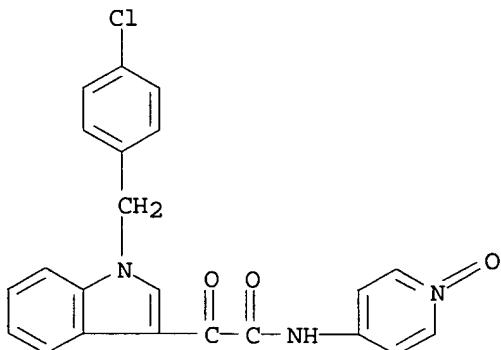
AB The object of the invention is then to widen the field of use of N-substituted indole-3-glyoxylamides and thus to enrich the available pharmaceutical wealth. The possibility of a lower, longer-lasting and better-tolerable medication for the class of substances having antitumor action described in German Patent Application 19814 838.0 should thus be opened up. In particular, the disadvantageous development of resistance, as is known of many antitumor agents, should be circumvented.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 245661-30-7P
(preparation of indolylglyoxylamides as antitumor agents)

RN 245661-30-7 USPATFULL

CN 1H-Indole-3-acetamide, 1-[(4-chlorophenyl)methyl]-N-(1-oxido-4-pyridinyl)- α -oxo- (9CI) (CA INDEX NAME)



L8 ANSWER 6 OF 8 USPATFULL on STN

ACCESSION NUMBER: 2003:31141 USPATFULL
TITLE: United states patent office
INVENTOR(S): Nickel, Bernd, Muhltal, GERMANY, FEDERAL REPUBLIC OF
Szeleenyi, Istvan, Schwaig, GERMANY, FEDERAL REPUBLIC OF
Schmidt, Jurgen, Uhldingen Muhlhofen, GERMANY, FEDERAL
REPUBLIC OF
Emig, Peter, Bruchkobel, GERMANY, FEDERAL REPUBLIC OF
Reichert, Dietmar, Eschau, GERMANY, FEDERAL REPUBLIC OF
Gunther, Eckhard, Maintal, GERMANY, FEDERAL REPUBLIC OF
Brune, Kay, Marloffstein, GERMANY, FEDERAL REPUBLIC OF
Le Baut, Guillaume, Saint Sebastian/Loire, FRANCE
PATENT ASSIGNEE(S): ASTA Medica Aktiengesellschaft (non-U.S. corporation)

10/824,342

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003023093	A1	20030130
APPLICATION INFO.:	US 2001-810604	A1	20010319 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	DE 1998-19814838	19980402
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	PILLSBURY WINTHROP, LLP, P.O. BOX 10500, MCLEAN, VA, 22102	
NUMBER OF CLAIMS:	10	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	2 Drawing Page(s)	
LINE COUNT:	1036	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention relates to the use of N-substituted indole-3-glyoxylamides of the general formula I as antitumor agents ##STR1##

and to a pharmaceutical composition having antitumor action, characterized in that it contains at least one of the compounds of the general formula I, if appropriate also in the form of the physiologically tolerable acid addition salts or N-oxides. Furthermore, the invention also includes antitumor agents comprising as active compound one or more N-substituted indole-3-glyoxylamides according to the general formula I and, if appropriate, their physiologically tolerable acid addition salts and, if possible, N-oxides and a pharmaceutically utilizable carrier and/or diluent or auxiliary substance in the form of tablets, coated tablets, capsules, solutions for infusion or ampoules, suppositories, patches, powder preparations which can be employed by inhalation, suspensions, creams and ointments.

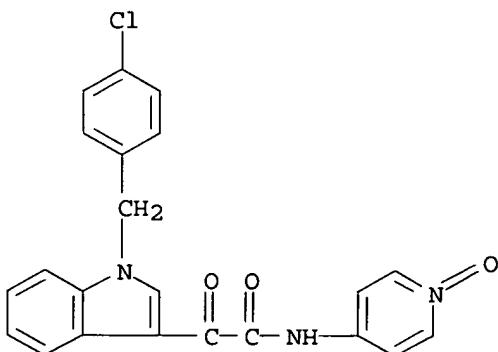
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 245661-30-7P

(preparation of indolylglyoxylamides as antitumor agents)

RN 245661-30-7 USPATFULL

CN 1H-Indole-3-acetamide, 1-[(4-chlorophenyl)methyl]-N-(1-oxido-4-pyridinyl)- α -oxo- (9CI) (CA INDEX NAME)



L8 ANSWER 7 OF 8 USPATFULL on STN

ACCESSION NUMBER: 2001:71562 USPATFULL

TITLE: Indolyl-3-glyoxylic acid derivatives having antitumor action

INVENTOR(S): Nickel, Bernd, Muhltal, Germany, Federal Republic of Szeleenyi, Istvan, Schwaig, Germany, Federal Republic of

Schmidt, Jurgen, Uhldingen Muhlhofen, Germany, Federal Republic of
 Emig, Peter, Bruchkobel, Germany, Federal Republic of
 Reichert, Dietmar, Eschau, Germany, Federal Republic of
 Gunther, Eckhard, Maintal, Germany, Federal Republic of
 Brune, Kay, Marloffstein, Germany, Federal Republic of
 Asta Medica Aktiengesellschaft, Dresden, Germany,
 Federal Republic of (non-U.S. corporation)

PATENT ASSIGNEE(S) :

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6232327	B1	20010515
APPLICATION INFO.:	US 1999-285058		19990402 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	DE 1998-19814838	19980402
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Rotman, Alan L.	
ASSISTANT EXAMINER:	Desai, Rita	
NUMBER OF CLAIMS:	5	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	2 Drawing Figure(s); 2 Drawing Page(s)	
LINE COUNT:	957	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention relates to the use of N-substituted indole-3-glyoxylamides of the general formula I as antitumor agents ##STR1##

and to a pharmaceutical composition having antitumor action, characterized in that it contains at least one of the compounds of the general formula 1, if appropriate also in the form of the physiologically tolerable acid addition salts or N-oxides. Furthermore, the invention also includes antitumor agents comprising as active compound one or more N-substituted indole-3-glyoxylamides according to the general formula 1 and, if appropriate, their physiologically tolerable acid addition salts and, if possible, N-oxides and a pharmaceutically utilizable carrier and/or diluent or auxiliary substance in the form of tablets, coated tablets, capsules, solutions for infusion or ampoules, suppositories, patches, powder preparations which can be employed by inhalation, suspensions, creams and ointments.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 245661-30-7P

(preparation of indolylglyoxylamides as antitumor agents)

RN 245661-30-7 USPATFULL

CN 1H-Indole-3-acetamide, 1-[(4-chlorophenyl)methyl]-N-(1-oxido-4-pyridinyl)- α -oxo- (9CI) (CA INDEX NAME)